

IN THE CLAIMS:

The following is a listing of the claims currently in the application, with claims 4 and 5 shown as amended and new claim 7 added.

LISTING OF CLAIMS

1. (Original) A piezoelectric ceramic belt comprising a piezoelectric ceramic layer in the form of an endless belt having an upper surface and a lower surface with said layer further comprising:

a first set of circular or square electrodes formed on the upper surface of the belt with the electrodes arranged at regular intervals along the circumference of the belt and spaced a given distance from both side edges of the belt; and

a second set of circular or square electrodes formed on the lower surface of the belt aligned in position with said first set of electrodes on the upper surface of the belt;

wherein the electrodes of the first and second set are polarized by application of a high voltage to cause a piezoelectric effect in the ceramic layer between the electrodes in the first set acting as either positive or negative electrodes and the electrodes in the second set acting as counter electrodes.

2. (Original) A piezoelectric ceramic belt as set forth in Claim 1 wherein said electrodes in the first and second set on the upper and the lower surfaces of the belt are arranged in plural lines along the circumference of the belt.

3. (Original) A piezoelectric ceramic belt as set forth in claim 1 wherein each set of electrodes is formed by screen printing.

4. (Currently Amended) A piezoelectric ceramic belt as set forth in Claim 4 7 further comprising a wire formed on the upper surface of the piezoelectric ceramic belt for connecting the electrodes on the upper surface thereof, a wire formed on the lower surface of the piezoelectric ceramic belt for connecting the electrodes on the lower surface thereof and collector wires formed on the upper and the lower surfaces of the belt so that an electrical circuit is formed.

5. (Currently Amended) Multi-electrode piezoelectric ceramic sheet comprising:

a piezoelectric ceramic sheet having a piezoelectric ceramic layer,

a plurality of circular or square electrodes formed on both an upper surface and a lower surface of the piezoelectric ceramic sheet with the number of electrodes on can surface being equal in an arrangement with the electrodes on the upper surface aligned in position relative to electrodes on the lower surface, and

[and polarizing the electrodes by] wherein the electrodes on the upper surface are arranged relative to the electrodes on the lower surface to form complementary electrode pairs such that upon application of a high voltage each pair of electrodes is polarized to cause a piezoelectric effect in the ceramic layer between each of the electrode pairs respectively and with the electrodes on the upper surface acting as

either the positive or negative electrodes and the electrodes on the lower surface acting as counter electrodes.

6. (Original) Multi-electrode piezoelectric ceramic sheet as set forth in Claim 5 further comprising a wire formed on said upper surface of the piezoelectric ceramic sheet by printing such as screen printing and baking to connect to the electrodes on the upper surface, and a wire formed on said lower surface of the piezoelectric ceramic sheet by printing such as screen printing and baking to connect to the electrodes on the lower surface.

7. (New) A piezoelectric ceramic belt as set forth in Claim 1 wherein the electrodes in the first and second set are equal in number with each set representing a multiple array of electrodes with the electrodes of each set arranged relative to one another to form a multiple number of complementary electrode pairs and wherein each of the electrode pairs are polarized by said high voltage to create an electric dipole of ceramic particles between the electrodes in each electrode pair.